



**EXPRESS MAIL CERTIFICATE**

DOCKET NO. : 801939/111

APPLICANTS : Lars Langemyr, Daniel Bertilsson, Arne Nordmark, Per-Olof Persson, and Jerome Long

TITLE : A METHOD FOR ASSEMBLING THE FINITE ELEMENT DISCRETIZATION OF ARBITRARY WEAK EQUATIONS, INVOLVING LOCAL OR NON-LOCAL MULTIPHYSICS COUPLINGS

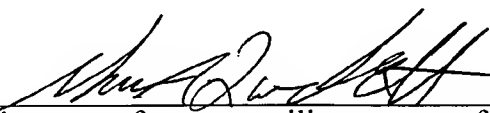
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"EXPRESS MAIL" NUMBER: EV652971532US  
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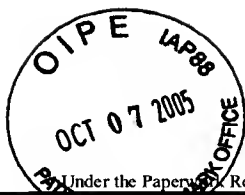
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PTO/SB/08A (10-01)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/995,222
				Filing Date	November 27, 2001
				First Named Inventor	Langemyr et al.
				Art Unit	2121
				Examiner Name	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	801939/111

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Kind Code <sup>3</sup> (if known)				
		Country Code <sup>3</sup> Number <sup>4</sup>				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	George et al., "Delaunay Triangulation and Meshing," <i>Hermes</i> , Paris 33-238 (1998) Delaunay triangulation: 33-46, 50-59; Constrained triangulation: 73-99; Parametric surface meshing: 161-173; Optimizations: 215-238	
	2	Dahlquist, et al., "Numerical Methods," <i>Prentice Hall</i> 284-355 (1974) Interpolation: 284-285; Linear Solver: 146-172; Time-Dependent Solver: 347-355; Eigenvalue Solver: 208-211; Damped Newton Method: 248-253	
	3	Brenner et al., "The Mathematical Theory of Finite Element Methods," <i>Springer-Verlag</i> 1-12 (1994) The Finite Element Method: 1-12	
	4	Frey et al., "Mesh Generation, Application to Finite Elements," <i>Hermes</i> , Paris 88-90 (2000) Mesh Search: 88-90	
	5	Zienkiewicz et al., "The Finite Element Method," <i>McGraw-Hill</i> 1:23-177 Basis Function: 23-26; Quadrature Formulas, Gauss Points, Weights: 175-177	
	6	Davenport et al., "Computer Algebra Systems and Algorithms for Algebraic Computation," <i>Academic Press</i> 28-32 (1993) Symbolic Differentiation: 28-32	
	7	C. Johnson, "Numerical Solution of Partial Differential Equations by the Finite Element Method," <i>Studentlitteratur</i> 14-18 (1987) Test Function 14-18	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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